SHEVTSOVA, A.M.

Characteristics of the chemical composition of onions grown on marshy soils. Dokl. AN BSSR 6 no.7:460-461 Jl '62. (MIRA 16:8)

1. Belorusskiy nauchno-issledovatel'skiy institut plodovodstva, ovoshchevodstva i kartofelya. Predstavleno akademikom AN BSSR T.N. Godnevym.

(Onions)

USSR/Cultive and Please - Tochnical, Olocakness, Sachariferous. n-7

Abs Jour : New Maur - Biol., No 9, 1998, 39430

Author : Inffe, R.Ya., Shevtsova, D.i.

Inst : All Union Scientific Research Institute of Bast Cultivation

Title : The Time of Gorabo Herm (Miliseus Cannabinus) Sowing in

Uzbeltistan.

Orig Tub : Tr. Vs.c. n.-1. in-to lul. hultour, 1957, vyp. 22, 132-

137.

Abstract : No abstract.

Card 1/1

- 123 -

CHERTKOV, Yakov Borisovich; BOL'SHAKOV, Gennadiy Fedorovich;
GULIN, Yevgeniy Il'ich; DAVYDOV, P.I., nauchn. red.;
SHEVTSOVA, E.M., ved. red.; YASHCHURZHINSKAYA, A.B.,
tekhn. red.

[Jet fuels] Topliva dlia reaktivnykh dvigatelei. Leningrad, Izd-vo "Nedra," 1964. 225 p. (MIRA 17:3)

MARA: ZIN, Aleksandr Vasil'yevich; YERMOLAYEV, Vasiliy Mikhaylovich [deccased]; SHEVTSOVA, E.M., ved. red.

[Boring structural prospecting holes] Burenie strukturnopoiskovykh skvazhin. Izd.2., isp. i dop. Leningrad, Nedra, 1964. 390 p. (MIRA 17:9)

SHEVISOVA, G.B.

Age changes in the topography of the peripheral part of the facial nerve in man. Stomatologiia 35 no.5:53-54 S-0 '56 (MLRA 10:4)

1. Iz kafedry normal'noy anatomii II Moskovskogo meditsinskogo instituta imeni I.V. Stalina (nauchnyy rukovoditel'-deystvitel'nyy chlen AMN SSSR prof. V.N. Ternovskiy) (NERVES, FACIAL)

SHEVISOVA, C.N.; SHORSHER, I.N.

Nitronic acid salts as collectors in the flotation of oxidized ores. Obog. rud 4 no.4:7-9 '59. (MIRA 14:8)

(Flotatior--Equipment and supplies)

Device for Mr 163.	or testing hydraulic cranes. Avt. transp. (MIRA)	41 no.3:33 16:4)
	(Cranes, derricks, etc.—Testing)	
	t	
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APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4"

SHEVTSOVA, I. I., Cand Biol Sci (diss) -- "Changes in the properties of certain soil bacteria in the rhizosphere of agricultural plants". Kiev, 1959. 16 pp (Min Higher and Inter Spec Educ Ukr SSR, Kiev Order of Lenin State U im T. G. Shevchenko, Chair of Microbiology and Antibiotics), 200 copies (KL, No 11, 1960, 131)

SHEVISOVA, I.I.

Spore formation in phosphorus and silicate bacteria occurring in the rhizosphere of some agricultural plants. Mikrobiol. zhur. 21 no.1:32-36 159. (MIRA 12:6)

1. Z kafedri mikrobiologii ta antibiotikiv Kiivs'kogo derzhavnogo universitetu.

(RHIZOSPHERE MICROBIOLOGY) (BACTERIA, PHOSPHORUS)
(BACTERIA, SILICATE)

THE RESIDENCE THE PROPERTY OF THE PROPERTY OF

SHEVTSOVA, I.I.

Effect of root sap from leguminous plants on nodule bacteria [with summary in English]. Mikrobiologiia 28 no.1:75-79 Ja-F '59. (MIRA 12:3)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G. Shevchenko. (BACTERIA,

root nodule bact., eff. of leguminous plant root juices (Rus))

(PLANTS, -

eff. of leguminous plant root juice on root nodule bact. (Rus))

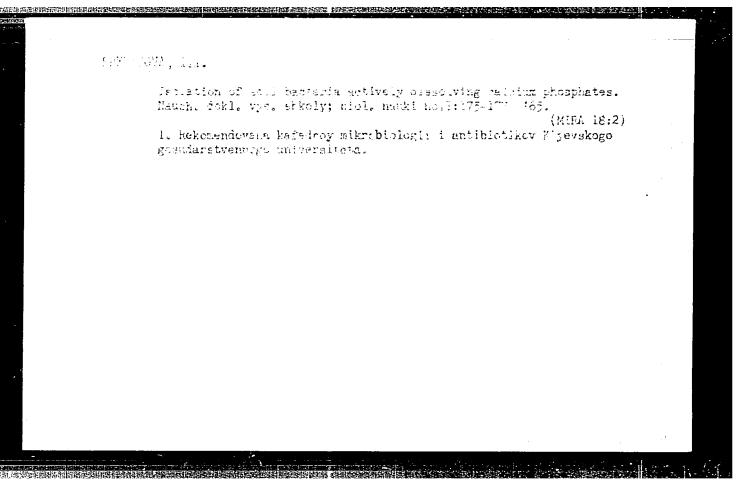
SHEVTSOVA, I.I.

Effect of perennial leguminous plants on some facultatine pathogenic bacteria in soils. Mikrobiol. zhur. 22 no. 1:33-37 '60. (MIRA 13:10)

1. Iz Kiyevskogo gosudarstvennogo universiteta im. T.G. Shevchenko, kafedra mikrobiologii.
(LEGUMINOSAE) (BACTERIA, PATHOGENIE) (RHIZOSPHERE MICROBIOLOGY)



Characteristics of phosphorus and silicate bacteria in the rhizosphere at different phases of plant growth. Visnyk. Kyiv. un. no. 4. Ser. biol. no.2:69-72'61. (MIRA 16:6) (BACTERIA, PHOSPHORUS) (BACTERIA, SILICATE) (RHIZOSPHERE MICROBIOLOGY)



SHEVTSOVA, I.N., kandidat veterinarnykh nauk.

water and the state of the second

Use of hypertonic solutions of sodium chloride in veterinary therapy. Veterinariia 30 no.3:44-49 Mr '53. (MLRA 6:3)

1. Sverdlovskiy sel'skokhozynystvennyy institut.

SHEVTSOVA, I.N., dotsent.

Intravenous injections of hypertonic salt solutions in some diseases of domestic animals. Veterinaria 32 no.9:60-63 S 155. (MIRA 8:12)

是到这些祖子就是几乎不会独特的社会就在她就在全国的人,就是我们就是这些人的人,我们就可以是我们的人,他们也不是一个人,他们也不会会会会会会会,这个人

1.Sverdlevskiy sel'skehezyaystvennyy institut.
(INJECTIONS, SALINE) (VETERIHARY MEDICINE)

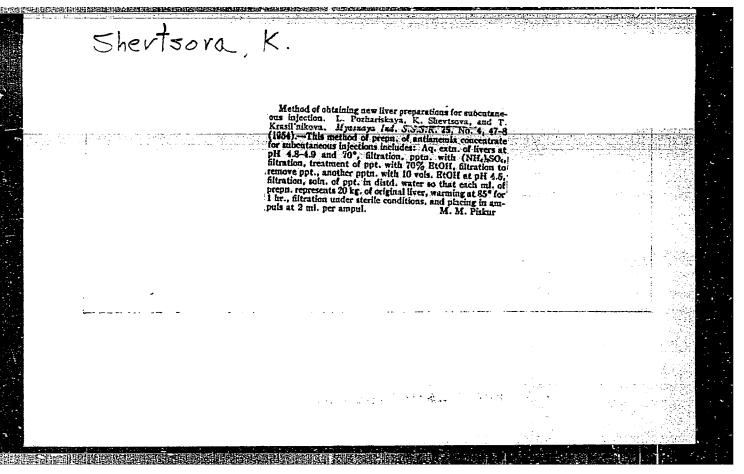
SHEVINOVA, 1, 11., which y name boyy sobradnik

Case of the policining of cows by sugar beets. Veterinarita Al no.3:72 Mr 465. (MIRA 18:4)

1. Nauchno-proizvodstvennaya laboratoriya po boleznyam molodnyaka zhivotvykh Ministerstva proizvodstva i zagotovok sel'skokhozyayst-vennyih produktov RSFSR.

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7	L 30791-66 EWT(1)/T JK	
-	ACC NR: AF5022091 (A,N) SCURCE CODE: UR/0346/66/000/003/0040/0042 62/8	
i	AUTHOR: Malakhova, T. I. (Candidate of veterinary sciences, Manager); Shevtsova,	_
1	I. N. (Candidate of veterinary sciences); Zaytseva, L. P. (Director); ChudnovsFiy,	_
	Ye. I. (Chief veterinary physician of Lyubertsy district of Moscow Region)	•
T	OnG: Malakhova/ Production Section, Scientific-Production Veterinary Laboratory,	
1	MSKh, ASFSR (Proizvodstvennyy otdel Nauchno-proizvodstvennyy veterinarnoy laboratorii);
	Shevtsova Scientific-Production Veterniary Laboratory, MSKh, RSFSR (Nauchno-	
	proizvodstvennaya veterinarnaya laboratoriy); Zaytseva/ Lyubertsy Interdistrict	-
+	Veterinary Laboratory (Lyuberetskaya mezhrayonnaya veterinarnaya laboratoriya)	
1	TITLE: Preparation and use of blood from convalescent animals for foot-and-	•
+		
	SOURCE: Veterinariya, no. 3, 1966, 40-42 TOPIC TAGS: foot and mouth disease, blood, epizootiology, experiment animal, prevent	ivo
	medicine, animal disease therapeutics	1.0
	ABSTRACT: A total of 7,821 cattle and 1,400 swine were inoculated with blood obtained	
۱	from animals convalescing from foot-and mouth disease. The results were best in calve	
	up to one month old when the dose was 2.5-3 ml per kg of animal weight. Very few of	the
١	animals contracted the disease even in the midst of an epizootic. And in the few that	
	did the course was very mild, with the animals having a normal temperature and good	
	appetite. In most cases the inoculations halted the outbreak.	
1	The blood of convalescent animals was also administered to very sick adult cows an	<u></u>
	bulls in doses of 500-600 ml and 700-800 ml, respectively. The course of the disease	•
	was much milder and recovery took place sooner than in the control.	
١	Thus, the use of blood from animals recovering from foot-and-mouth disease has both	h
١	prophylactic and therapeutic value. Orig. art. has: 2 figures. /JPRS/	
ĺ	SUB CODE: 06, 02/ SUBM DATE: none Cord 1/1 UDC: 619:616.988.43-085.3757: 636.2	
L	Card 1/1 UDC: 619:616.988.43-085.375/: 636.2	

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4"



YELOSHOVICH, B.; SHEVISOVA, K.

Questions and answers, Mias. ind. SSSR 32 no.5:52-53 '61.

(Pituitary body)

(Liver extract)

SHEVTSOVA, K.A., starshiy nauchnyy sotrudnik; PENKIN, B.A., inzh.

Mechanization of the operations of bottling and stoppering of liquid hematogen. Trudy VNIIMP no.9:109-114 '59. (MIRA 13:8) (Hematogen)

SHEVTSOVA, K.A., starshiy nauchnyy sotrudnik

Production of highly active heparin for therapeutic use. Trudy
VNIIMP no.14:102-111 '62. (MIRA 16:8)

(Heparin)

SHEVTSOVA, L. M.

At the Kalach Observation Station. Zashch. rast. ot vred. i bol. 5 no.4:50-52 Ap '60. (MIRA 13:9)

1. Zaveduyushchaya punktom sluzhby ucheta i prognozov Voronezhskoy oblasti.

(Kalach District--Plant protection)

SHEVTSOVA, N.G.

Early detection of coronary insufficiency in diseases of the abdominal cavity. Vrach. delo no.8:73-76 Ag '60. (MIRA 13:9)

1. Kafedra fakul'tetskoy terapii lechebnogo fakul'teta (zav. - zasl. deyatel' nauki, prof. M.A. Yasinovskiy) Odesskogo meditsin-skogo instituta.

(ABDOMEN—DISEASES) (CORONARY VESSEIS—DISEASES)

(ELECTROCARDIOGRAPHY)

SHEVTSOVA, N. G.

Cand Med Sci - (diss) "Early manifestation of coronary insufficiency in rheumatism by the electrocardiography method in conjunction with several functional tests." L'vov, 1961. 15 pp; (L'vov State Med Inst); 300 copies; price not given; (KL, 10-61 sup, 227)

KOLPAKOVA, T.A.; GOLIYENBIYEVSKAYA, Z.I.; SHEVTSOVA, N.I.; RYBINA, M.I.; NIKITINA, N.N.; RYBAKOVA, L.F.; SHIPSHINA, N.D.; KORN, A.N.; KO-ROVKIN, B.F.; KOSYAKOV, K.S.; STEPNAYA, A.A.

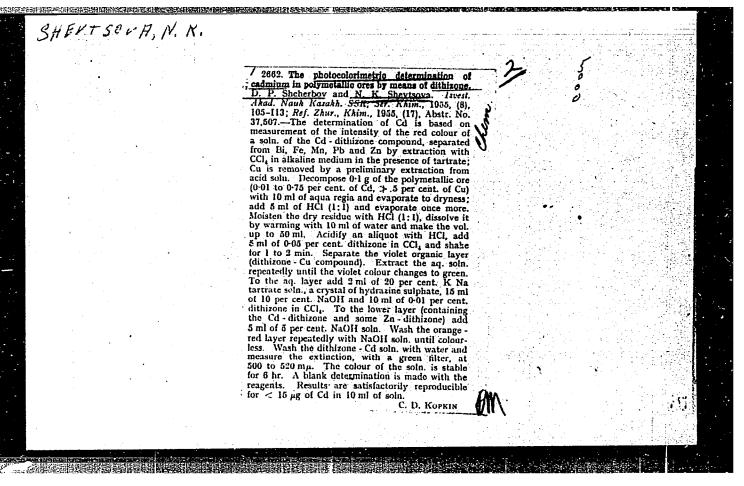
Suggestions made at the September 29, 1963, conference of "Laboratornos delo" readers, members of the Leningrad Society of Physicians and Laboratorians. Lab. delo-10 no.4:256 '64. (MIRA 17:5)

1. Predsedatel 'pravleniya Leningradskogo obshchestva vrachey-laborantov (for Kolpakova). 2. Chleny pravleniya Leningradskogo obshchestva vrachey-laborantov (for all except Kolpakova).

S EVESUEA, N. I., (Assistant Porfessor, Sverdlov Agricu tural Institut)

About the ruminative action of solutions of nu tral salts in the intravenous administration

Veterinariya vol. 38, no. 7, July 1961 p. 59.



ZEBREVA, A.I.		
5(2) PRASE I BOOK EXPLOITATION SOT/1699		
Akademiya nenk Kazakhakoy SSR. Institut khimicheskith menk		
Issladovanija po elektrokhisti vodnyth rastvorov i rasplavov i smal'gammay matallurgii (Research on the Electrochemistry of Vater Solutions, Pasions and Amalgam Hetallurgy) Alma-Ats, Ind-vo AH Ens. SER, 1956. 122 p. (Series: Its: Trody t. 3) 1,500 copies printed.		
Ed.: Y.V. Aleksmiriyakiy; Tech. ed.: L.P. Borckine; Editorial Board of Series; I.I. Zabotin, Y.M. Ilyushchemio, G.Z. Kir'yahov (Deputy Resp. Ed.), M.T. Kozlovskiy, (Resp. Ed.) and L.H. Shelmiyakov.	4	
FUNCUE: This book is intended for sejectists and engineers in the electrochemic and nonferrous metal industries.	na).	
COVERACE: This collection contains in reports by the Labersteries for Analytical Chemistry and Electrochemistry attached to the Institute of Chemical Sciences, Academy of Sciences, Essakheten Republic. The smallpus method of extensions thallium from lead powder, the electrolysis of smallpus method of extensions of this und the improverialment of warfs also farring michal production are described. The majority of articles have a practical nature and deal with problems of developing and perfecting new electrochemical methods for the production of Card 1A non-ferrous metals.	'	
Hosek, M.V., Y.M. Llyushchenko, and M.T. Koslovskiy. Investigation of Potentials of Some Amelyon Metals During Assos Culestion in a Sulfate-Amendium Electrolyte		
Baltimen, S.P., and M.V. Rossk. Polaregraphic Nothed of Determining Indian ye		}
Zabotin, P.I., M.T. Koslovskiy, and G.Z. Kir'yahov. Elsetralysis of Sulfsto Solutions of Line With a Heroury Cathode and a Low Comtons of Line in the Sulvator		
Shevtsova, H.K., and H.T. Endovskiy. The Use of Aluminas for Mo- plantance or Metals From Vater Solutions of Their Salts	Ì	
Elripator, 6.5., and F.E. Expelysters. The Inflaemen of Same Hotel Inn Admirtures on the Cuthods Process Buring the Electrolysis of Line Sulfate Solutions Under Conditions of Righ Jureaut Smally		
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APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4"

SKLYARENKO, S.I.; SMIRNOV, I.V.; RYSEV, A.P.; SHEVTSOVA, N.S.

Production of cesium hydroxide by electrolysis of cesium chloride in an electolyzer with a horizontal filtering diaphragm. Zhur.prikl.khim. 37 no. 5:1036-1041 My '64. (MIRA 17:7)

GANAGO, F.M., kand. med. nauk; Prinimali uchastiye: ALEKSEYEVA, R.M., vrach (Sverdlovsk); AYZENSHTEYN, B.S., vrach (Sverdlovsk); BABINOVA, G.D., vrach (Sverdlovsk); BOROVITSKAYA, L.M., vrach (Sverdlovsk); VARGANOVA, M.V., vrach (Sverdlovsk); KOPYLOVA, K.P., vrach (Sverdlovsk); SOKOLOVA, O.V., vrach (Sverdlovsk); SHEVTSOVA, R.P., vrach (Sverdlovsk); SHELOMOVA, I.M., vrach (Sverdlovsk); BYKHOVSKAYA, M.A., vrach (Revda); BELYAYEVA, N.Ya., vrach (Magnitogorsk); KRUGLOVA, N.A., vrach (Kurgan); NIKIFOROVA, F.N., vrach (Kurgan); MITINA, O.A., vrach (Asbest); PORKHOVNIKOVA, E.D., vrach (Ufa); PONOMAREVA, N.I., vrach (Orenburg); RASSOSHNYKH, G.F., vrach (Perm:); SAZANOVA, V.V., vrach (Izhevsk)

Chemoprophylaxis of tuberculosis in children and adolescents in foci of tuberculous infection. Probl. 42 no.1:6-11 64. (MIRA 17:8)

1. Detskoye otdeleniye (zav. F.M. Ganago) Sverdlovskogo instituta tuberkuleza (dir. - prof. I.A. Shaklein) (for Ganago).

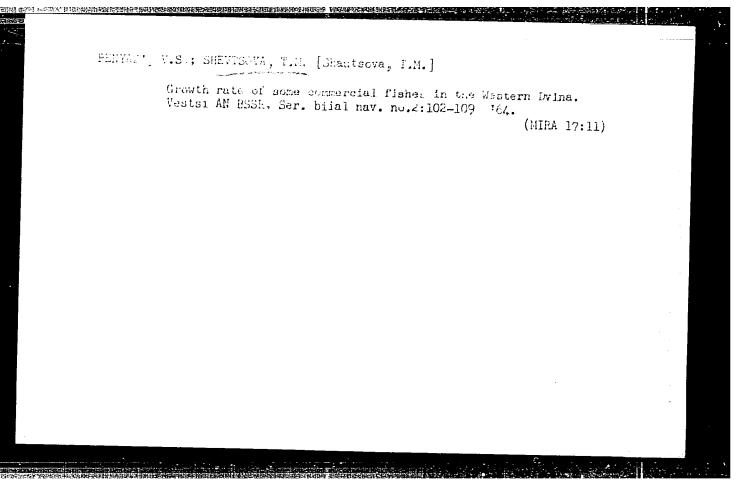
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2.	matra (600)	
4.	Dwellings	
7.	Ald private Acusing construction in every way. V prom. profaktive 14 No. 6, 1953.	
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9.	Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassi	fied.

SOKOLOV, G.V., inzh.; SHEVTSOVA, S.M., inzh.

Wall blocks made with cinders removed from thermoelectric power plants by hydraulic methods. Stroi. mat 6 no.3:29-30 Mr '60. (MIRA 13:6)

PENYAZ*, V.S. [Peniaz*, U.S.]; SHEVTSOVA, T.M. [Shautsova, T.M.]

Growth rate of commercial fishes in the Drissa River. Vestsi
AN BSSR Ser. biial. nav. no.2:106-110 *63 (MIRA 17:3)



SHEVTSOVA, Z.I.

Assimilation of the "valence" concept by the eight-year school students. Khim. v shkole 16 no.5:46-52 S-0 '61. (MIRA 14:9)

1. Pedagogicheskiy institut, g. Yuzhnosakhalinsk.

(Valence (Theoretical chemistry) - Study and teaching)

人名马斯特斯斯特里斯斯特特克斯特特特特特特特特特特特特特特特特特特特特

IJP(c) RM-WW/JD/JG/GD L-42158-66 EWP(j)/EWT(m)/EWP(t)/ETI ACC NR: AT6022479 SOURCE CODE: UR/0000/65/000/000/0048/0054 AUTHOR: Drobot, D. V.: Korshunov, B. G.; Shevtsova, Z. M. BHI ORG: Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov (Maskovskiy): institut tonkoy khimichaskoy tekhnologii) TITIE: Some aspects of complex formation in melts containing rare earth and alkaling metal chlorides SOURCE: Vsesoyuznoye soveshchaniye po fizicheskoy khimii rasplaylennykh seley 2011 Kiev, 1963. Fizicheskaya khimiya rasplavlennykh soley (Physical chemistry of fused salts); trudy soveshchaniya. Moscow, Isd-vo Matalinrgiya, 1965, 48-58 TOPIC TAGS: rare earth element, alkali halide, chlowide, phase diagram porceruse. POINT, ALKHLI METAL ABSTRACT: An attempt was made to identify the relationships underlying the melting point diagrams of binary systems formed by rare earth and alkali metal chlorides in relation to the decrease in ionic radius (from Lanthamm to Lutetium) and to the change in ionic radius in the series of alkali metals. The following binary systems were investigated: //Smcl3-kcl, /Smcl3-kcl, Smcl3-kcl, Smcl3-kcl, Smcl3-kcl, fdcl3-kcl, fdcl3-kcl, gdcl3-kcl, gdcl3 It was found that the decrease in the ionic radius of the rare earth element does not affect complex formation monotonically in the interaction with alkali metal chlorides Cord 1/2

L 42158-66

ACC NR: AT6022479

The existence of a "dysprosium corner," where the interaction of the components is most strongly manifested, is postulated. When the ionic radius of the rare earth element remains constant, the stability of the compounds MeSmall, and Mesmall (where Me = K, Ro, Cs) increases regularly, while the stability of the compounds (where Me = K, Ro, Cs) increases regularly, while the stability of the compounds Mesmall, decreases with a gradual degeneracy. A study of the ternary systems Smalls (KCl-NaCl and YCl-KCl-NaCl showed the presence of interaction in these systems, in which the ternary compound KNa₂R₂Cl₁₀ was identified. The existence of this compound also indicates that the extent of complex formation depends on the ionic radius of the rare earth element. The liquidus lines were calculated for all the systems, and this led to the hypothesis that complex ions of the composition (RCl₆) are present in the melts. Orig. art. has: 10 figures and 2 tables.

SUB CODE: 07/ SUBM DATE: 23Aug65/ ORIG REF: 007/ OTH REF: 007

Cord 2/2

AUTHORS: Urazov, G. G. and Shevtsova, Z. N.

78-3-24/35

TITLE:

Study of Solubility in Aqueous Systems formed by Lanthanum Nitrate and certain Metal Nitrates. (Izucheniye rastvorimosti v vodnykh sistemakh, obrazovannykh azotnokislym lantanom i nekotorymi nitratami metallov.) I. Solubility Isotherms for the Systems: $La(NO_3)_3 - Mg(NO_3)_2 - H_2O$ at 25 and 50°C; $La(NO_3)_3 - NH_4NO_3 - H_2O$ at 25°C. (I. Izotermy rastvorimosti sistem: La(NO3)3 - Mg(NO3)2 - H2O pri 25 1 50°; $La(NO_3)_3 - NH_4NO_3 - H_2O pri 25°.)$

PERIODICAL: Zhurnal Neorganicheskoy Khimii, 1957, Vol. II, Nr. 3, pp. 655-658. (USSR)

ABSTRACT: The solubility isotherms obtained for the above systems indicated the existence of certain solid phases; this has been confirmed by crystallo-optic and thermographic investigation. There are 3 tables, 9 figures and 10 Card 1/2 references, 1 of which is Slavic.

Study of Solubility in Aqueous Systems formed by Lanthanum Nitrate and certain Metal Nitrates. I.

ASSOCIATION: Moscow Institute for Fine Chemical Technology imeni M. V. Lomonosov.. (Moskovskiy institut Tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova.)

A CONTROL OF STREET STREET

SUBMITTED: October 8, 1956.

AVAILABLE: Library of Congress.

Card 2/2

78-3-25/35

Study of Solubility in Aqueous Systems formed by Lanthanum Nitrate and Certain Metal Nitrates. II.

ASSOCIATION: Moscow Institute for Fine Chemical Technology imeni M. V. Lomonosov., Department of Rare and Scattered Elements. (Moskovskiy institut Tonkoy Khimicheskoy Tekhnologii im. M. V. Lomonosova, Kafedra redkikh i rasseyannykh Elementov.)

SUBMITTED: October 8, 1956.

AVAILABLE: Library of Congress.

Card 2/2

MOROZOV, I.S.; SHEVTSOVA, Z.N.; KLYUKINA, L.V.

Phase diagram of the system NdCl₂ -- CaCl₂ -- NaCl. Znur.neorg.

knir. 2 no.7:1639-1642 Jl '57.

(Neodynium chlorides) (Calcium chlorides) (Sodium caloride)

(Neodynium chlorides) (Calcium chlorides) (Sodium caloride)

sov/156-58-3-4/52

· AUTHORS: Shevtsova, Z. N., Zelova, V. S., Ushakova, L. I.

TITLE: The Solubility in the Systems: $LaCl_3$ - NaCl - H_2O , $NdCl_3$ -

 $\text{NaCl} - \text{H}_2\text{O}, \text{LaCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O}, \text{ and } \text{NdCl}_3 - \text{CaCl}_2 - \text{H}_2\text{O} \text{ at}$

25° (O rastvorimosti v sistemakh: LaCl₃ - NaCl - H₂O,

 NdCl_3 - NaCl - H_2O , LaCl_3 - CaCl_2 - H_2O i NdCl_3 - CaCl_2 -

- H₂0 pri 25°)

PERIODICAL: Nauchnyye doklady vysshey shkoly, Khimiya i khimicheskaya

tekhnologiya, 1958, Nr 3, pp. 417 - 421 (USSR)

ABSTRACT: The isothermal lines of the mentioned systems were investi-

gated at 25°. The results are given in tables 1 - 4 and in diagrams 1 - 4. Equilibrium was reached within three days. It was considered to be constant when two successive samples showed the same composition. The composition of the solid phases was determined chemically and crystal-optically, and

was graphically determined according to the method of

Card 1/3 Shreynemakers. From this paper these conclusions are drawn:

The Solubility in the Systems: LaCl₃ - NaCl - $\rm H_2O$, NdCl₃ - NaCl - $\rm H_2O$, LaCl₃ - CaCl₂ - $\rm H_2O$, and NdCl₃ - CaCl₂ - $\rm H_2O$ at 25°

- 1) Isometrically the solubility in the following systems was found to be: $LaCl_3$ NaCl H_2O , $NdCl_3$ NaCl H_2O , $NdCl_3$ $CaCl_2$ H_2O , $NdCl_3$ $CaCl_2$ H_2O .
- 2) The mentioned systems may be represented in simple diagrams with an "evtonika"; these are located at a composition of 47,95% LaCl₃ and 0,98% NaCl, of 48,72% NdCl₃ and 0,61% NaCl, respectively, and for the systems with CaCl₂: 7,57% LaCl₃ and 40,10% CaCl₂, 6,40% NdCl₃ and 39,14% CaCl₂, respectively.
- 3) Lanthanum and neodymium chloride form crystal hydrates with the compositions LaCl $_3$.7 H $_2$ 0 and NdCl $_3$.6 H $_2$ 0. There are 4 figures and 4 tables.

ASSOCIATION:

Kafedra tekhnologii redkikh i rasseyannykh elementov moskovskogo instituta tonkoy khimicheskoy tekhno-

Card 2/3

The Solubility in the Systems: LaCl₃ - NaCl - H_2O , NdCl₃ - NaCl - H_2O , NdCl₃ - NaCl - H_2O , and NdCl₃ - CaCl₂ - H_2O at 25°

logii im. M. V. Lomonosova (Chair for the Technology of Rare and Trace Elements of the Moscow Institute of Chemical Fine Technology imeni M. V. Lomonosov)

SUBMITTED: January 21, 1958

Card 3/3

SHEVISOVA, Z.N.; MOROZOV, I.S.; YEFREMOVA, O.A.

Fusibility diagram for the system praseodymium chloridemagnesium chloride - potassium chloride. Izv. vys. ucheb. zav.; tsvet. met. 3 no.3:109-111, '60. (MIRA 14:3)

l. Moskovskiy institut tonkoy khimicheskoy tekhnoligii, Kafedra khimii i tekhnologii redkikh i rasseyannykh elementov. (Praseodymium chloride—Electrometallurgy) (Melting points)

SHEVTSOVA, Z.N.; ZHIZHINA, L.I.; ELITSBERG, L.Ye.

TOWNSHIP SECRETARY SECRETA

Solubility isotherms of the systems: LaCl₃ - KCl - H₂O, NdCl₃ - KCl - H₂O, LaCl₃ - NH₄Cl - H₂O, and NdCl₃ - NH₄Cl - H₂O at 25 °. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:176-178 '61. (MIRA 14:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova.

(Systems (Chemistry)) (Solubility)

SHEVTSOVA, Z.N.; KULICHKINA, G.N.; FEDOROVA, A.N.

Solubility isotherms of the systems: PrCl3-KCl - HaO and PrCls-NH4Cl - HaO at 25 and 50°. Izv. vys. ucheb. zav.; khim. i khim. tekh. 4 no. 2:178-179 '61. (MTRA 14:5)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lomonosova. Kafedra tekhnologii redkikh i rasseyannykh elementov. (Systems (Chemistry)) (Solubility)

S/149/62/000/001/007/005 A006/A101

AUTHORS:

Shevtsova, Z. N., Kottser, L. A., Korshunov, B. G.

TITLE:

On the interaction of neodymium chloride with sodium and potassium

chlorides in melts

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy, Tsvetnaya metallurgiya,

no. 1, 1962, 121 - 126

TEXT: The authors studied the interaction of neodymium, sodium and potassium chlorides during the joint crystallization of their melts. The interaction of components in a NdCl₃-NaCl-KCl system was investigated by the fusibility method. Cooling curves were recorded with the Kurnakov pyrometer. Six internal sections of the system were studied. Their orientation was determined mainly by the location of non-variable equilibrium points on lateral double diagrams. Section (K₃NdCl₅-NaCl) is stable and divides the diagram into two partial diagrams corresponding to systems NdCl₃-NaCl-K₃NdCl₆ and K₃NdCl₅-NaCl-KCl. The eutectic point of the section (Figure 7) (Van Rheyn point) corresponds to the following composition in mol. £: 17.6 NdCl₃, 29.6 NaCl, 52.8 KCl and 538±2°C melting temperature. The horizontal, marked on the diagram, corresponds at 420°C to the

Card 1/# 2

On the interaction of ...

少于1975年的国际的企业,1975年,1975年的国际的企业的企业的企业的企业的企业的企业的企业的企业。

S/149/62/000/001/007/009 A006/A101

polymorphous transformation of the chemical compound K₃NdCl₆. On the basis of data obtained, a fusibility diagram of the ternary system was plotted. The liquidus surface of the system consists of five fields of initial crystallization corresponding to the separation of NdCl₃, NaCl, KCl, K₂NdCl₅, and K₃NdCl₆ from the melt. There are 7 figures, 1 table and 16 references, 9 Soviet-bloc and 7 non-Soviet-bloc.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii (Moscow Institute of Fine Chemical Technology) Kafedra tekhnologii redkikh i rasseyannykh elementov (Department of the Technology of Rare and Dispersed Elements)

SUBMITTED; March 27, 1961

Card 2/3 /

S/078/62/007/008/007/008 B101/B138

AUTHORS:

Safonov, V. V., Korshunov, B. G., Shevtsova, Z. N.

TITLE:

Investigation of the interaction of niobium (IV) chloride with rubidium and cesium chlorides in melts

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 8, 1962, 1979-1982

TEXT: The fusibility diagrams of the NbCl₄ - RbCl and NbCl₄ - CsCl systems were constructed to determine the optimum conditions for electrochemical deposition of niobium from melts, for the purpose of refining crude niobium etc. Mixtures containing more than 50 - 55 mole% NbCl₄ could not niobium etc. Mixtures containing more than 50 - 55 mole% NbCl₄ could not be studied owing to NbCl₄ disproportionation. Results: (1) The congruent-melting compound Rb₂NbCl₆ forms in the system NbCl₄ - RbCl at 802°C: The eutectic of this compound and RbCl melts at 630°C and contains 83 mole% RbCl. (2) The congruent-melting/compound Cs₂NbCl₆ forms in the system NbCl₄ - CsCl at 622°C. The eutectic of this compound and CsCl melts at Card 1/2

S/078/62/007/008/007/008 B101/B138

Investigation of the interaction of ...

595°C and contains 90 mole% CsCl. The eutectic of Cs2NbCl6 and NbCl4 melts at 282°C and contains 43 mole% CsCl. (3) A study of Cs2NbCl6 and Rb2NbCl6 in polarized light showed these compounds to be optically isotropic. (4) The calculation of crystallization curves on the basis of the Shreder equation suggests that melts of the NbCl4 - RbCl system contain niobium as

 $[\text{NbCl}_6]^{2-}$, whereas the NbCl₄ - CsCl system may contain $[\text{NbCl}_5]^{-}$ as well as $[\text{NbCl}_6]^{2-}$. There are 4 figures.

ASCOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im.

W. V. Lomonosova (Moscow Institute of Fine Chemical Technology

imeni M. V. Lomonosov)

SUBMITTED: Octo

October 2, 1961

Card 2/2

SHEVISOVA, Z.N.; KORZINA, Ye.N.; KORSHUNOV, B.G.

Interaction of praseodymium chloride with sodium and potassium chlorides in melts. Zhur.neorg.khim. 7 no.11:2596-2599 N '62. (MIRA 15:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

(Praseodymium chloride) (Alkali metal chlorides) (Fused salts)

PASHINKIN, A.S.; DROBOT, D.V.; SHEVTSOVA, Z.N.; KORSHUNOV, B.G.

Determination of vapor pressure of ahydrous solid chlorides of yttrium and samarium. Zhur.neorg.khim. 7 no.12:2811-2813 D '62. (MIRA 16:2)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova i Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

(Yttrium chloride) (Samarium chloride) (Vapor pressure)

L 10642-63 EWP(q)/EWT(m)/BDS-AFFTC/ASD-JD/JXT(IJP,DE)

ACCESSION NR: AP3001227

s/0078/63/008/006/1531/1532

AUTHOR: Korshunov, B. G.; Lidina, Ye. D.; Shevtsova, Z. N.

61

TITLE: Melt diagram for the system LoCl sub 5 - AlCl sub 3 - FeCl sub 3

SCURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1963, 1531-1532

TOPIC TAGS: melt diagram, MoCl sub 5-AlCl sub 3-FeCl sub 3, eutectics,

ABSTRACT: The melt diagram for the MoCl sub 5 - AlCl sub 3 - FeCl sub 3 system is given. Eutectics for MoCl sub 5 - AlCl sub 3 = 121 degrees; for MoCl sub 5 - FeCl sub 3 = 88 degrees; surface of the liquidus corresponds to the separation of MoCl sub 5 from solution and to the solid solution of Al and Fe chlorides. "Indices of refraction of crystals of the componds were determined by L. V. Milyutina, for which the authors express their deep appreciation." Orig. art. has: I figure.

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 12Nov62

DATE ACQD: 01Jul63

ENCL: 00

Card 1/2

L 12597-63 FCS(f)/EWP(q)/EWT(m)/BDS AFFTC/ASD ACCESSION NR: AP3003484 8/0078/63/008/007/1749/1752 AUTHOR: Shevtsova, Z. N.; Ying, Wei-Chuan TITLE: Solubility in the systems SmCl sub 3 - KCl - H sub 2 0 and YCl sub 3 - KCl - H sub 2 0 at 25 and 500 SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 7, 1963, 1749-1752 SmCl sub 3, KCl, YCl sub 3, solubility, crystallization TOPIC TAGS: ABSTRACT: A study of isotherms of solubility of ternary systems consisting of chlorides of samarium yttrium and potassium chloride at temperatures 25 and 500 was conducted. The solubility diagrams of systems SmCl3 - KCl - H2O and YCl3 - KCl - H2O at 25 and 50c are analogous. Each is shown by two branches of crystallization of pure components which intersect. Orig. art. has: 3 figures... ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M. V. Lomonosova (Moscow Institute of Fine Chemical Technology); Kafedra tekhnologii redkikh i rasseyanny*kh metallov (Department of Card 1/2/

SAFONOV, V.V.; KORSHUNOV, B.G.; SHEVISOVA, Z.N.; SHADROVA, L.G.

Interaction of tantalum tetrachloride with rubidium and cesium chlorides. Zhur. neorg. khim. 9 no.6:1406-1410 Je *63 (MIRA 17:8)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

KORSHUNOV, B.G.; DROBOT, D.V.; BUKHTIYAROV, V.V.; SHEVTSOVA, Z.N.

Interaction of samarium (III) chloride with the chlorides of sodium, potassium, rabidium, and cesium. Zhur. neorg. khim. 9 no.6:1427-1430 Je 163 (MIRA 17:8)

l. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

SAFONOV, V.V.; KORSHUNOV, B.G.; SHEVTSOVA, Z.N.; BAKUM, S.I.

Interaction of tantalum trichloride with fused alkali metal chlorides. Zhur. neorg. khim. 9 no.7:1687-1691 Jl '64. (MIRA 17:9)

 Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova.

BOL'SHAKOV, K.A.; SAFONOV, V.V.; KOGAN, L.M.; SHEVTSOVA, Z.N.; SHADROVA, L.G.

Solubility of chloro derivatives of some metals in 1,3-hexachlorobutadiene. Zhur. fiz. khim. 38 no.5:1305-1306 My '64. (MIRA 18:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova i Vsesoyuznyy nauchno-issledovatel'skiy institut khimicheskikh sredstv zashchity rasteniy. Submitted June 7, 1963.

L 16674-65 EWI(m)/EWP(t)/EWP(b) IJP(c) JD/JG ACCESSION NR: AP4048306 S/0078/64/009/011/2606/2612

AUTHOR: Morczov, I. S.; Shevtsova, Z. N.; Li, Chih-fa

13

TITLE: Reaction of yttrium chloride with the chlorides of certain metals

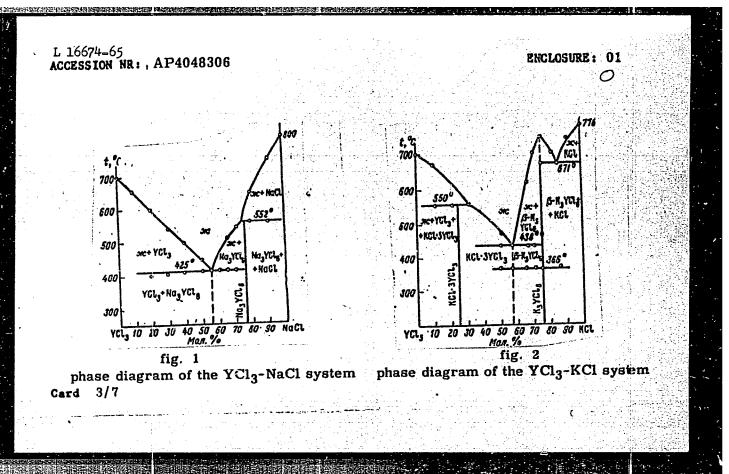
SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 11, 1964, 2606-2612

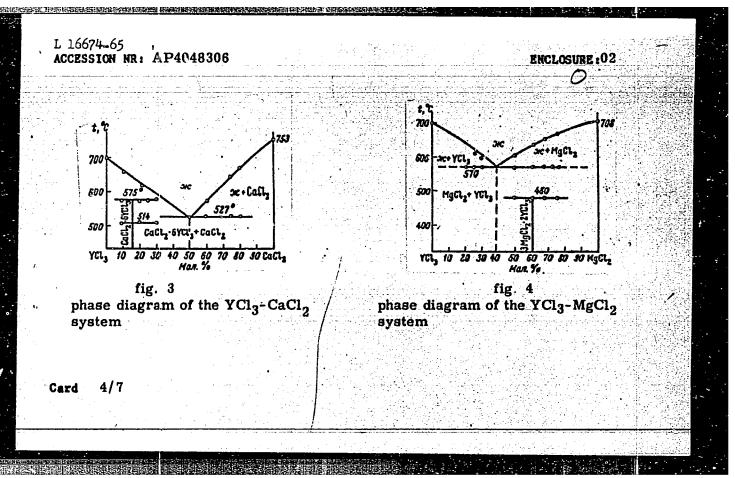
TOPIC TAGS: yttrium chloride, phase diagram, yttrium chloride metal chloride

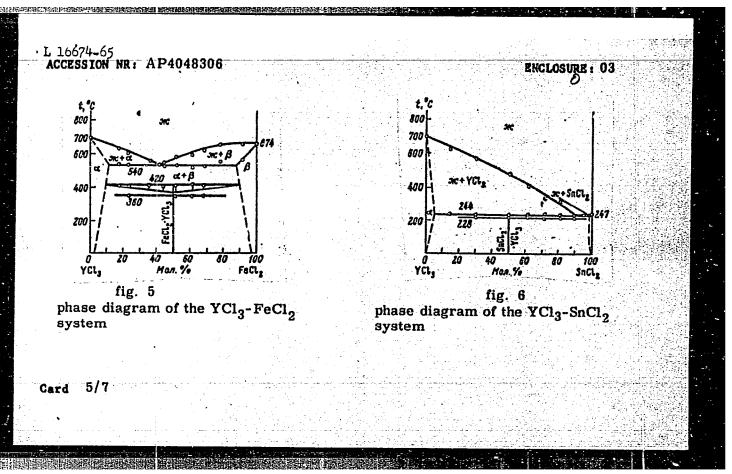
ABSTRACT: Binary systems of YCl₃ with chlorides of Na, K, Ca, Mg, Fe and Sn were subjected to thermal analysis and phase diagrams were contructed (figs. 1-6). The compound Na₃YCl₆, melting incongruently at 552C was found in the YCl-NaCl system. K₃YCl₆, melting congruently at 749C and KCl. 3YCl₃, melting incongruently at 550C were formed. The YCl₃-FeCl₂ system formed limited solid solutions and the compound FeYCl₅ which had a polymorphic transition at 360C. Phase diagrams were also constructed for the ternary systems YCl₃-CaCl₂-NaCl and YCl₃-MgCl₂-KCl (fig. 7 and 8) and the limits of the fields of primary crystallization were determined. Orig. art. has. 8 figures and 8 tables

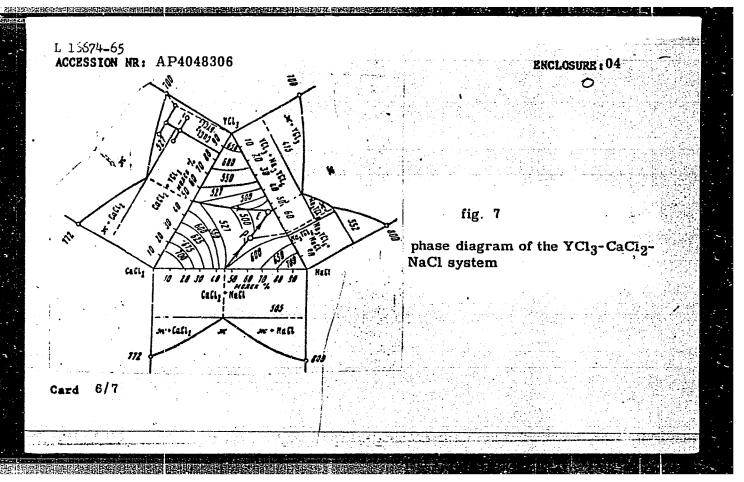
C-rd 1/7

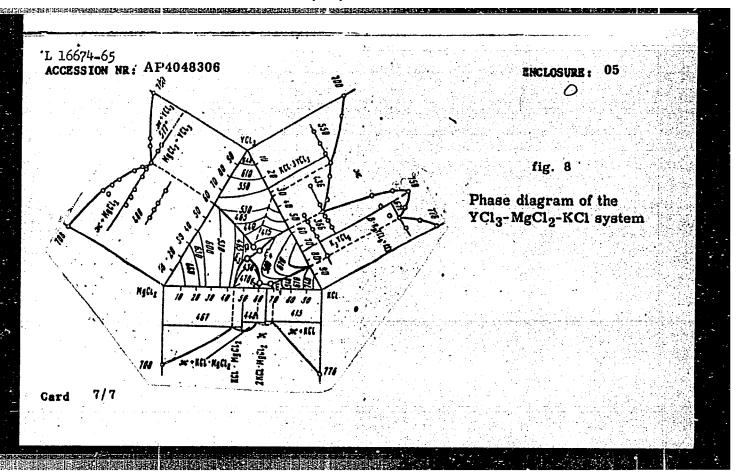
L 16674-65 ACCESSION NR: AP4048306	3		O
ASSOCIATION: None			
SUBMITTED: 20Jun61	ENC	L: 05	
SUB CODE: IC, GC	NO REF SOV: 008	OTHER: 002	
Card 2/7			











EPA(s)-2/EAT(m)/EPF(c)/EPF(n)-2/EAP(t)/EAP(b) L 44378-65 Pr-4/Pt-7/Pu-4 IJP(c) JD/JG \$/0078/65/010/003/0669/0671 ACCESSION NR: AP5008483 AUTHOR: Safonov, V. V.; Korshunov, B. G.; Shevtsova, Z. N.; Shadrova Reaction of tantalum tetrachloride with sodium and potassium chlorides SOURCE: Zhurnel neorganicheskoy khimii, v. 10, no. 3, 1965, 669-671 TOPIC TAGS: potassium compound, tantalum compound, tantalum tetrachloride, sodium chloride, potassium chloride, high purity metal production, niobium tetrachloride, eutectic, complex ion, melt ABSTRACT: The reaction of tantalum tetrachloride with sodium and potassium chlorides in melts has been studied because the production of high purity metals by subhalide methods is assuming increasing importance. A thermal analysis of the systems has been made and fusibility diagrams constructed. The TaClu-NaCl system is of the eutectic type and the eutectic contains 55 mol. & NaCl and melts at 2700. The components of the TaClh-KCl system form a KoTaCl6 compound that melts at 732C. The eutectic formed by KeTaClo and KCl melts at 5900 and contains 75 mol. KCl, while the eutectic formed by KeTaCl6 and TaCl4 melts at 2150 and contains about 51 mol. TaCl4. Unlike TaCl4, the KeTaCl6 compound is optically isotropic and has Card 1/2

i 44318-65 ACCESSION NR: AP5008483 a tendency to decompose in the atmosphere. Its refractive index exceeds 1.789, and its density is 3.017 g/cm³, as compared with 2.539 g/cm⁵ for the similarly obtained niobium compound KoNbCl6. The NaCl4 experimental crystallization curve of the TaCl4-NaCl system is in good agreement with the estimated crystallization curve in the range from 0 to 20 mol. TeCl_h, suggesting the possible presence of tantalum in the form of [Ta₂Cl₁₀]² in the melt. The KCl experimental crystallization curve is also in good agreement with the estimated curve, and it is assumed that the melt contains tantalum in the form of the complex ion [TaCl6] 2-. Orig. art. has: 4

ASSOCIATION: Moskovskiy institut tonkoy khimicheskoy tekhnologii im. M.V. Lowonosova (Moscow Institute of Fine Chemical Technology)

SUBMITTED: 10Jun64

ENCL: 00

SUB CODE: IC

NO REF SOV: 004 OTHER: 006

Card 2/2

figures.

KORSHUNOV, B.G.; DROBOT, D.V.; SHEVTSOVA, Z.N.

System YCl₃ - NaCl - KCl. Zhur.neorg.khim. 10 no.8:1901-1905 Ag '65. (MIRA 19:1)

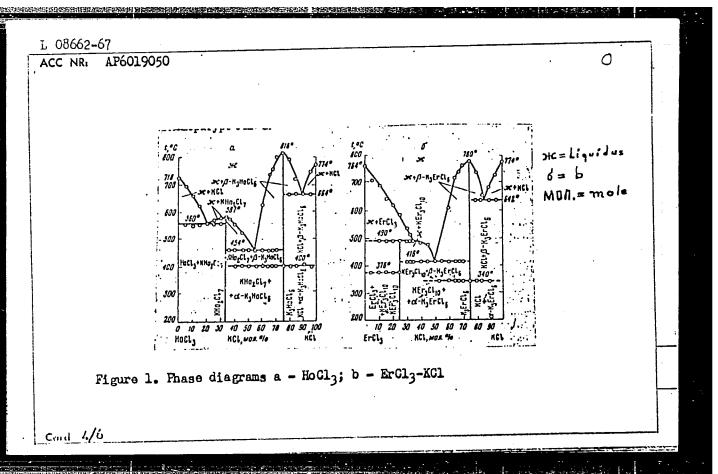
1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V.Lomonosova. Submitted July 1, 1963.

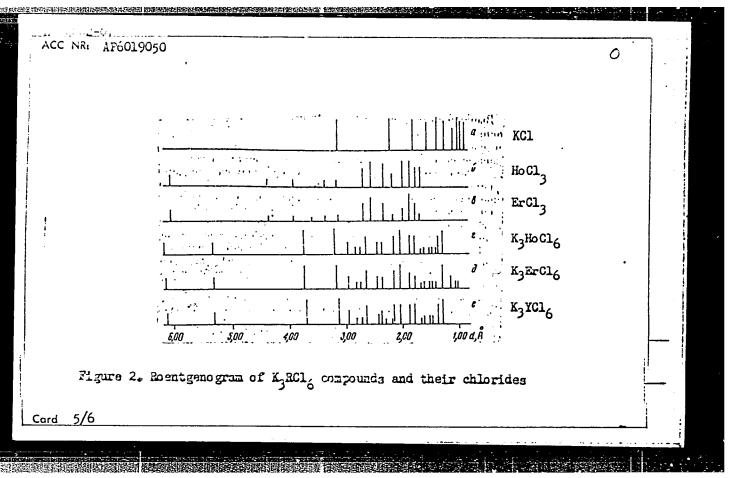
Section 19 and Alberta Nove (1) have send a section for	-
ACC NR: AF6019050 (A) SOURCE CODE: UR/0078/66/011/002/0411/0414 -	
AUTHOR: Morshunov, B. G.; Drobot, D. V.; Galchenko, I. Ye.; Shovtsova, Z. N.	
ORG: Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov (Moskovskiy institut tonkoy khimichoskoy tekhnologii)	
TITLE: Interaction of fused holmium and erbium chlorides with fused potassium chloride	1
SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 2, 1966, 411-414	
MOPIC TAGS: thermal analysis, holmium compound, erbium compound, potassium chloride	
ABSTRACT: A thermal analysis has been conducted of the HoCl3-KCl and ErCl3-KCl systems, which had not been investigated before. The chemical analysis of chlorides used was 61.14% Ho+39.19% Cl for HoCl3 and 60.95% Er+39.12% Cl for ErCl3, against calculated values of 60.85% Ho+39.15% Cl and 61.03% Er+38.97%Cl, respectively. The time-temperature curves were recorded with the aid of a Kurnakov pyromoter. The salts were fused in quartz-glass Stepanov vessels. The liquidus curves of the systems were calculated as proposed by P. Ehrlich, G. Kaupa, and K. Blankenstein (Z. anorg. allgem. Chem., 299, 213, 1959), and R. V. Chernov (Ukr. khim. zhurn. 27, 34, 1961). The results of the thermal analysis are given in Tables 1 and 2, and Figures 1 a and b. Compounds	
which were formed in the given systems were identified by X-ray phase analysis in a	-
Cord 1/6 UDC: 546.665/.666*131,-386	
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"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4

ACC	NR: AP6		Tempere	ture, C				0	
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Tab.	le l. Re	sults of the	thermal ar	alysis of	the HoC	l ₃ -KCl system			
									-

ACC Molek	672-67 HRL APC Idqui- dus, G	phaso	Port-	Mitoctic Mutoctic KEr3Cl10 K3ErCl6 K3ErCl6 KC1	er Tolymorphous + transformation of K3 ErCl6	
100,0 95,0 90,0 85,0 80,0 75,0 70,0 66,66 65,0 40,0 35,0 33,33 30,0 20,0 15,0 0,0	764 702 690 691 621 575 530 514 490 485 472 416 606 717 743 762 780 740 683 728 774	ErCl ₃ KEr ₃ Cl ₁₀ KEr ₃ Cl ₁₀ KEr ₃ Cl ₁₀ KEr ₄ Cl ₁₀ KEr ₅ Cl ₁₀ KErCl ₄ K ₃ ErCl ₄ K ₃ ErCl ₄ K ₄ ErCl ₄ K ₅ ErCl ₅ K ₅ ErCl ₅ K ₅ ErCl ₅ K ₅ ErCl ₆ K ₅	480 492 490 486 490	416 416 416 416 416 416 416 416	Table 2. Results of thermal analysis of ErCl ₃ -KCl system 340 340 340 343 343 343 343	the
Card	3/6					





I, 08662**-**67 0 ACC NR: AP6019050 Table 3. Relative densities of compounds in RCl3-KCl systems (R = Ho, Er) Color Compound System 3.61/ light yellow KHo 2Cl7 HoCl3-KCl 2.749 K₂HoCl6 white with yellow hue 3.677 KEr3Cl10 reddish-violet 2.768 reddish-violet K3EFC16 R.K.D. 57.3-mm diameter camera with nickel filter and copper radiation. The results of the analysis confirmed the formation of new phases in the RCl₃-KCl systems (R = Ho, Er). Roentgenograms for K₃RCl₆ (R = Ho, Er, Y) compounds in Figure 2 give evidence of their isomorphism. The authors attribute the isostructural properties of these compounds to the isomorphism of the original chlorides and yttrium. The effects observed in the ErCl3-KCl system at 376C could not be explained. Densities of all low-temperature modifications (Table 3) were determined using CCl₄ with d₄² = 1.5828 g/cm³. Orig. art. has: 2 fig. and 4 tables. SUB CODE: 07/ SUBM DATE: 05Feb65/ ORIG REF: 004/ OTH REF: 002 Card 6/6 1

SHEVESOVA, Z. V., and TUMARYM, M. A.

"Chemotherapy of Radiation Diseases in Experiments Performed on Monkeys." Proceedings of Inst. Epidem. and Microbiol. im. Gammaleya, 1954-56.

Division of Medical Microbiology, Troitskiy, V. L., professor, Corresponding Nember, Academy of Medical Sciences, USSR, head, Inst. Epidem. and Microbiol. im. Gammaleya, AMS USSR.

SO: Sum 1186; 11 Jan 57.

TUMANYAN, M.A.; SHEVTSOVA, Z.V.

Chemotherapy of radiation sickness in monkeys under experimental conditions. Med.rad. 1 no.2:41-45 Mr-Ap '56. (MIRA 9:9)

1. Iz otdela meditsinskoy mikrobiologii (zav. - chlen-korrespondent AMN SSSR V.L.Troitskiy) Instituta epidemiologii i mikrobiologii imeni N.F.Gameleya AMN SSSR.

(RADIATION SICKNESS, experimental,
eff. of antibiotics in monkeys (Rus))
(ANTIBIOTICS, effects,
on exper. radiation sickness in monkeys (Rus))

SHEVTSOVA, Z.V.

Effect of irradiation on the course of the vaccinal process caused by the introduction into the organism of live brucellosis vaccine.

Med.rad. 4 no.10:46-53 0 59. (MIRA 13:2)

1. Iz otdela radiatsionnoy mikrobiologii i immunologii (zav. - prof. V.L. Troitskiy) i otdela brutselleza (zav. - prof. P.A. Vershilova) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR (dir. - prof. S.N. Muromtsev).

(RADIATION EFFECTS exper.)
(BRUCELLOSIS immunol.)
(IMMUNITY)

SHEVISOVA, Z.V.

Immunity in guinea pigs immunized with a live Brucella vaccine under the influence of radiations. Zhur.mikrobiol.epid.i immun. 31 no.9:105-109 S '60. (MIRA 13:11)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(BRUCELLOSIS)

(RADIATION_PHYSIOLOGICAL EFFECT)

SHEVTSOVA, Z. V., CAND MED SCI, "EFFECT OF X-RAY! IRRADIATION ON IMMUNOGENESIS AND INTENSITY OF IMMUNITY IN ANIMALS IMMUNIZED WITH LIVE BRUCELLOSIS VACCINE." Moscow, 1961.

(ACAD MED SCI USSR). (KL, 3-61, 236).

486

SILICH, V.A.; SHEVTSOVA, Z.V.

Experience with combined vaccination against brucellosis and Q fever. Zhur. mikrobiol., epid. i immun. 33 no.7:66-72 Jl '62. (MIRA 17:1)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

ACCESSION NR: AP4031448

5/0016/64/000/004/0100/0105

AUTHOR: Shevtsova, Z. V.

TITLE: Causes of reduced natural resistance to live Brucella vaccine in irradiated animals

SOURCE: Zhurnal mikrobiologii, opidomiologii i immunobiologii, no. 4, 1964, 100-105

TOPIC TAGS: Brucella abortus No. 19-Ba vaccine, 200 r X-irradiation dose, reduced natural resistance, live vaccine, killed vaccine, antigen complex, death rate, Brucella endotoxin, increased endotoxin sensitivity, detoxication mechanism disturbance

ABSTRACT: Experimental guinea pigs (280 to 300 g) were X-irradiated (RUM-3 unit, 180 kv, 15 ma, filters 0.5 mm Gu and 1 mm Al, 42r/min) with single 200 r doses before inoculation with Brucella vaccine. On the 10th day after irradiation one group of experimental animals was administered a live Brucella culture (Br. abortus No. 19-Ba), a second group was administered a killed (by heating) Brucella culture (Br. abortus No. 19-Ba), a third group was administered a Br. abortus No. 19-Ba antigen complex, and a fourth group serving as a control was

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549320012-4"

ACCESSION NR: AP4031448

administered a physiological solution. Animals were observed for 28 days and the doath rate was determined for each group. In an additional experiment the intensity of Brucella multiplication in the various organs of irradiated and non-irradiated guinea pigs and white rate was investigated during periods corresponding to the highest number of deaths. Findings show that live and killed Brucella cultures and the Brucella antigen complex increase the death rate of irradiated animals. However, the intensity of Brucella multiplication not differ and virulence does not increase. The reduced resistance of irradiated animals to Br. abortus 19-Ba is attributed largely to increased Brucella endotoxin sensitivity and related detoxication mochanism disturbance. Orig. art. has: 5 tables.

ASSOCIATION: Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR (Epidemiology and Microbiology Institute AMN SSSR)

SUBMITTED: 29May62

ENCL: 00

SUB CODE: LS

NR REF SOV: 008

OTHER: 003

Card 2/2

EWA(b)=2/EWA(j)/EWT(1)L 45667-65 UR/0016/64/000/009/0076/0081 ACCESSION NR: AP5015168 19 AUTHOR: Shevtsova, Z. V. TITLE: Effect of irradiation on preventive properties of sera of guinea pigs immunized with live brucellosis vaccine SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 9, 1954, 76-81 TOPIC TAGS: serum, experiment animal, brucellosis, irradiation Abstract: The article describes the effect of irradiation on the preventive properties of the sera of guinea pigs irradiated with a dose of 200 r. at various intervals before and after immunization with live brucellosis vaccine. The preventive properties were measured with respect to the ED50 and the LD50. The effect depended on the interval between irradiation and vaccination. When the animals were vaccinated 24 hours before or after irradiation, a retardation in the rise of the preventive properties was observed on the 15th day of immunogenesis but it was not evident on the 30th day; when the animals were vaccinated on the 3rd day after irradiation (in the period of pronounced symptoms of radiation sickness), the effect of ir-Card 1/2

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ACCESSION NR: AP5013168 ACCESSION NR: AP5013168 radiation was considerably stronger and even on the 30th day the preventive radiation was considerably stronger and even on the 30th day of the properties were three times less than in the control animals. When the animals were vaccinated 30 days after irradiation no difference was observed mals were vaccinated 30 days after irradiation on the 30th day of imbetween irradiated and control animals. Irradiation on the 30th day of imbetween irradiated and control animals. Irradiation on the sera. No munogenesis showed no effect on the preventive properties of the sera and correlation was found between the quantity of agglutineins in the sera and their preventive properties. Orig. art. has 2 tables. ASSOCIATION: Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR
ASSOCIATION: Institut epidemiologii i miktoria AMN SSSR) (Institute of Epidemiology and Microbiology, AMN SSSR) SUBMITTED: 19Feb65 ENCL: 00 SUB CODE: LS NO REF SOV: 016 OTHER: 001 JPRS
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<u>l l29l5-65</u> Ent(1)/Ena(j)/Ena(b)-2 JK			
ACCESSION NR: AP5008015 S/0016/65/000/003/0056/0058	10.85 312	\$ 25p	
AUTHOR: Shevtsova, Z. V. TITLE: A study of the virulence of a brucella vaccine strain after			4
being in an irradiated organism			
SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 4 3, 1965, 56-58 TOPIC TAGS: guinea pig, brucella, live vaccine, vaccine virulence, X-ray irradiation, single radiation dose			
ABSTRACT: Guinea pigs (280-300 g) were X-irradiated (RUM-3 unit, 180 kv, 15 ma, 0.5 mm Cu and 1 mm Al filters, 42 r/min) with single 200 r doses (20-30% mortality within 30 days) to determine the effect of an irradiated organism on live brucella vaccine virulence. On the third day following irradiation the animals were immunized subcutaneously with a live brucella vaccine strain (1 billion bacterial cells) and killed 3, 10, 20, and 30 days later. Ten of the cultures obtained were from animals in the acute stage of radiation sickness			
Card 1/2			\

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ACCESSION NR: AP5008015

(5th and 13th days) and 15 of the cultures obtained were from animals in the last stages of radiation sickness (23d and 33d days). Culture virulence was measured by its capacity to produce the disease in healthy animals after introducing single doses of 100 or 1,000 bacterial cells. In control experiments non-irradiated animals were immunized with the initial live brucella vaccine strain and cultures were taken for the same periods as in experimental animals. The virulence of 20 of the 25 brucella vaccine cultures after 3, 10, 20, and 30 days in an irradiated organism was basically the same as that of the initial brucella vaccine strain, and the virulence of the other 5 cultures was slightly increased. No conclusions are drawn. Orig. art. has: None.

ASSOCIATION: Institut epidemiologii i mikrobiologii im. Gamalei AMN SSSR (Institute of Epidemiology and Microbiology AMN SSSR)

SUBMITTED: 30Apr64/

ENCL: 00

SUB CODE: LS

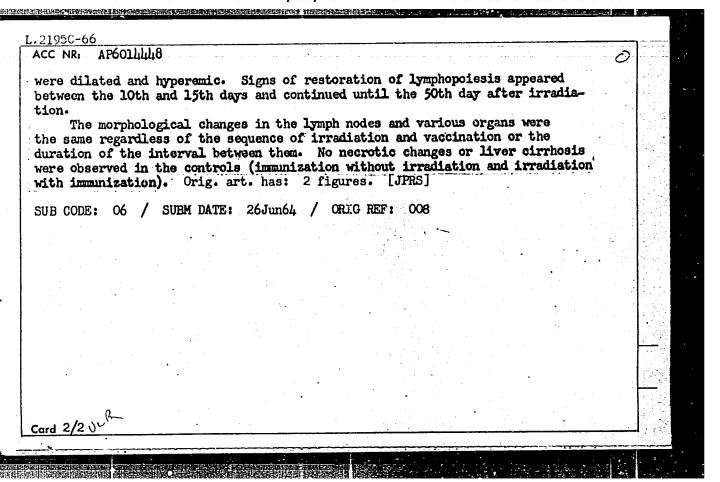
NR REF SOV: do3

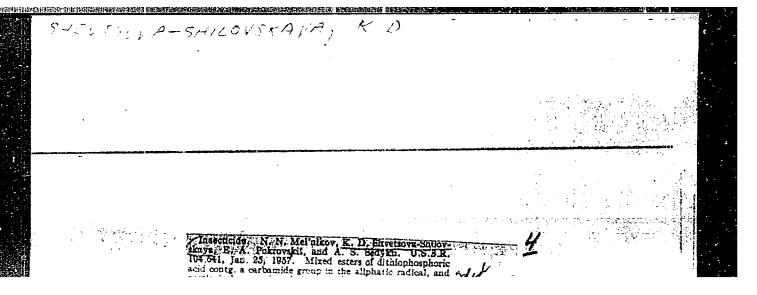
OTHER: 002

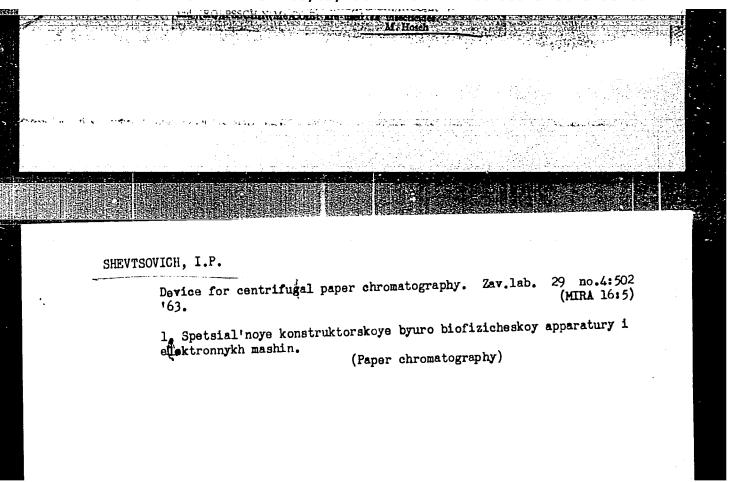
Card 2/2 1/11

No. 1 A March 1 A March 1 And All Street Street

21950-66 **АР6014448** SOURCE CODE: UR/0016/65/000/010/0061/0065 ACC NR AUTHOR: Shevtsova, Z. V.; Grekova, N. A. ORG: Institute of Epidemiology and Microbiology in Galameya. AMN 566R (Institu epidemiologii i mikrobiologii AMN SSSR) 641,25 TITIE: Morphological characteristics of the brucella vaccine process in irradiated guinea pigs SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1965, 61-65 TOPIC TAGS: immunization, bacteria, bacteriology, radiation biologic effect, experiment animal, hematopoiesis Experiments were performed on guinea pigs irradiated with 150 r ABSTRACT: at various times before and after immunization with live brucella vaccine (Er. abortus 19-BA). The lymph nodes within 5 days of immunization were marked by hyperplasia of the reticular elements. Groups of light reticular cells and occasional symplasts appeared between the 15th and 30th days. The morphological picture in the lymph nodes tended to return to normal after 3 months. Hyperplasia of the reticular cells and pulp was noted in the spleen along with intensified lymphopoiesis. During the first month after vaccination the liver was also characterized by hyperplasia and swelling of Kuppfer's cells. In irradiated but not immunized animals, during the first 15 days after irradiation the lymph nodes lost many of their follicles. The blood vessels UDC: 616.98.1.42-097-092.9-06:617-001.281-091 Card 1/2







SHEVUYEV, A.N., kandidat khimicheskikh nauk; PESHEKHONOVA, A.I.; KIRITENKO, K.G.; KURCHENINOVA, N.K.

Bromometric method for determining monochlorophenoxyacetic acid in 2,4-D. Khim, prom. no.7:430-431 O-N '55. (MLRA 9:3)

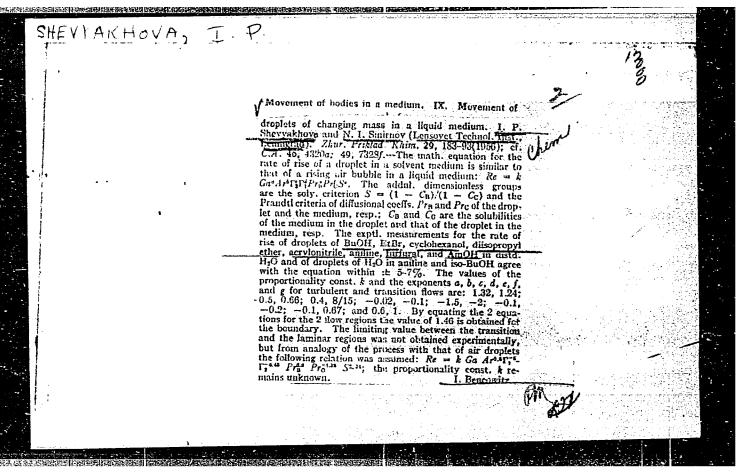
SHEVYAKHOVA, I. P.

Turbulence and Dynamic Meterorology

Dissertation: "Study of the Motion of Drops in a Liquid Medium Under Mass Exchange Conditions." Cand Tech Sci, Leningrad Technological Inst, Leningrad, 1953.

(Referativnyy Zhurnal -- Mekhanika, Moscow, Mar 54)

SO: SUM 213, 20 Sep 1954



MAYMIND, V.I.; TOKAREV, B.V.; GOMES, E.; VDOVINA, R.G.; YERHOLAYEV, K.M.; SHEVYAKIN, M.M.

Research in the field of compounds labeled with C¹⁴ and N¹⁵.

Part 4. Synthesis of "key" compounds. Zhur.ob.khim. 26 no.7:
1962-1967 Jl '56. (MIRA 9:10)

1. Institut biologicheskoy i meditainskoy khimii Akademii nauk SSSR. (Phthalimide) (Hydrocyanic acid) (Radioactive tracers)

等。

SADOVSKIY, V.D.; MALYSHEV, K.A.; SAZONOV, B.G.; SHEVYAKINA, L.Ye., redaktor; LUCHKO, Yu.V., redaktor; KOVALENKO, N.I., teknilcheskiy redaktor.

[Phase and structure changes during the heating of steel] Fazovye i strukturnye prevrashcheniia pri nagreve stali. Sverdlovsk, Gos. nauch-no-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 183 p. (Metallography) (Steel--Heat treatment) (MLRA 8:1)

S/148/60/000/009/019/025 A161/A030

18.7500

AUTHORS:

Popov, A.A., and Shevyakina, L.Ye.

TITLE:

Peculiarities of the formation and decomposition of

supersaturated ferrite in alloy steel

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Chernaya metallurgiya,

nc. 9, 1960, 140-147

TEXT:

An investigation has been carried out with medium-carbon steel with different W and Mc content, i.e. elements that belong to carbide forming and raising the original transformation temperature in carbon steel. This choice of alloy elements was made in view of the fact that isothermic cross sections of ternary phase diagrams prove that alloy elements lowering the original transformation temperature must decrease the oversaturation of forming ferrite with carbon at a constant transformation temperature, and hence slow down the decomposition of oversaturated ferrite with the more probable formation of graphite instead of carbides, whilst elements raising the transformation temperature have the opposite effect, i.e. raise the oversaturation making the formation of carbides more probable. Specimens of

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Peculiarities of the formation ...

steel with six different compositions were heated to 1100°C, soaked for 5 min, and laid into lead bathsheated to certain subcritical temperatures, soaked for a different time, and quenched in water. The results are illustrated in 7 sets of photomicrographs. In steel with 0.88% W and 1.06 Mo in temperature above the euteotic range the structure was the usual bright ferrite that did not decompose in longer isothermic soaking. But at lower temperatures, transformation was present and slightly oversaturated ferrite formed and decomposed in isothermic soaking with the formation of graphite; graphitization of oversaturated ferrite was perticularly clear in the transformation at about 750°C. At 700° ferrite was more oversaturated and decomposed into graphite and carbide; at 650° the oversaturation is still higher and only the carbides are separated. Analogous transformation took place in higher-alloyed steel, and it could be stated that higher content of W and particularly of Mo resulted in much higher oversaturation of the forming ferrite with carbon at same transformation temperatures, and formaticn of carbides; e.g. at 4.41% W, 3.18% Mo, or 5.44% Mo, decomposition of ferrite formed at 750° and lower was accompanied by the formation of disperse carbides only. Decomposition of oversaturated ferrite was

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Peculiarities of the formation ...

particularly clear at 700-6500, except in highest-alloyed steel with 5.44% Mo. It was also observed that a ferrite-carbide mixture formed in steel with 4.41% W and 3.18% Mo at 700 and 650° after the ferrite formation, with small blurred spots of pearlite troostite. This was not stated in steel with 5.44% Mo. It follows from the observations that oversaturated ferrite really forms in medium-alley steel with W or Mo. In temperatures near the eutectic the oversaturation is comparatively slight, and ferrite oversaturated with carbon decomposes with the formation of graphite; more oversaturated ferrite forms at lower temperatures, and this ferrite decomposes with the formation of carbides. Increased W or Mo content raises oversaturation at a given temperature, and the tendency to carrides formation rises, i.e. the effect of higher W or Mo content is equivalent with the effect of an increased degree of supercooling. Ferrite in such higher alloyed steel can decompose with the formation of a peculiar ferrite-carbide mixture resembling the sorbite or troostite forming in direct decomposition of austenite but forming from oversaturated ferrite. Analogous regularities can be expected to exist in other steel compositions containing elements that raise the

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S/148/60/000/009/019/025 A161/A030

Peculiarities of the formation

transformation temperature.

ASSOCIATION: Ural'skiy politekhnicheskiy institut (Ural Polytechnical Institute)

28 March 1960 SUBMITTED:

Card 4/4

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